

Your Ref.: PCT/SG2004/000068  
Our Ref.: CHUA/20400446/SJ/twm

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**Australian Patent Office**  
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Woden ACT 2606  
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**Attn: Mr J W Thomson**

Dear Sirs,

**PCT Application No.:** PCT/SG2004/000068  
**Title:** Digital Map Display  
**Applicant:** CHUA Beng San et al

The applicant is amending the claims of the application in response to the written opinion of the ISA dated 31 May 2004. We enclose:

1. A copy of the claims tracking the amendments to the claims on page 12; and
2. A copy of the amended claims on page 12.

JP 2002216143 discloses a method of joining maps of differing scales such that a consolidated map comprising several connectable maps is easily read. It differs from the present application, with dual displays of the same map with different scales for ease of reading. The present application makes the reading of maps with smaller scales easier. Thus, it is novel and inventive over the citation.

We submit that the claims as filed are novel and inventive. A favourable International Preliminary Report on Patentability (IPRP) is awaited.

Yours faithfully



**Sheena Jacob**  
Partner  
Encl.

18. A method as claimed in claim 17, wherein the display of the right screen is of a larger scale than the display of the left screen, and the map displayed in the left screen forms an area immediately around the position as displayed in the right screen.

19. A digital map display method including the steps:

- (a) determining a position of a display device for the digital map;
- (b) displaying the digital map at a first scale on a first part of a display screen of the display device; and
- (c) on a second part of the display screen of the display device displaying at a smaller scale that part of the digital map surrounding the position.

wherein the first part of a display screen is of the exact location within a relatively small geographical area that forms the area immediately around the position in the map of the second part of the display screen.

20. A method as claimed in claim 19, wherein the first part is a right display and the second part is a left display.

~~21. A method as claimed in claim 20, wherein the left display is of the exact location within a relatively small geographical area that forms the area immediately around the position in the map of the right display.~~

~~22. 21. A method as claimed in any one of claims 19 to 21 20, wherein the split is horizontal or vertical.~~

~~23. 22. A computer usable medium comprising a computer program that is configured to cause at least one processor to execute one or more functions to perform the steps of any one of claims 1 to 22 21.~~

18. A method as claimed in claim 17, wherein the display of the right screen is of a larger scale than the display of the left screen, and the map displayed in the left screen forms an area immediately around the position as displayed in the right screen.

19. A digital map display method including the steps:

- (a) determining a position of a display device for the digital map;
- (b) displaying the digital map at a first scale on a first part of a display screen of the display device; and
- (c) on a second part of the display screen of the display device displaying at a smaller scale that part of the digital map surrounding the position.

wherein the first part of a display screen is of the exact location within a relatively small geographical area that forms the area immediately around the position in the map of the second part of the display screen.

20. A method as claimed in claim 19, wherein the first part is a right display and the second part is a left display.

21. A method as claimed in any one of claims 19 to 20, wherein the split is horizontal or vertical.

22. A computer usable medium comprising a computer program that is configured to cause at least one processor to execute one or more functions to perform the steps of any one of claims 1 to 21.

The demand must be filed directly with the competent International Preliminary Examining Authority or, if two or more Authorities are competent, with the one chosen by the applicant. The full name or two-letter code of that Authority may be indicated by the applicant on the line below:

IPEA/ AU

# PCT

## CHAPTER II

### DEMAND

For International Preliminary Examining Authority use only

Identification of IPEA		Date of receipt of DEMAND
<b>Box No. I IDENTIFICATION OF THE INTERNATIONAL APPLICATION</b>		Applicant's or agent's file reference 20400446KC
International application No. PCT/SG2004/00068	International filing date (day/month/year) 23 MARCH 2004 (24-03-04)	(Earliest) Priority date (day/month/year) 2 APRIL 2003 (02-04-03)
Title of invention DIGITAL MAP DISPLAY		
<b>Box No. II APPLICANT(S)</b>		
Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.) CHUA, Beng San 7 Jalan Suria 3 81100 Johor Bahru Malaysia		Telephone No. - Facsimile No. - Teleprinter No. Applicant's registration No. with the Office
State (that is, country) of nationality: MY	State (that is, country) of residence: MY	
Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.) WONG, Lai Wan Block 206, Toa Payoh North Singapore 310206		
State (that is, country) of nationality: SG	State (that is, country) of residence: SG	
Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.)		
State (that is, country) of nationality:		
State (that is, country) of residence:		
<input type="checkbox"/> Further applicants are indicated on a continuation sheet.		

**Box No. III AGENT OR COMMON REPRESENTATIVE; OR ADDRESS FOR CORRESPONDENCE**The following person is ☒ agent ☐ common representativeand ☒ has been appointed earlier and represents the applicant(s) also for international preliminary examination.☐ is hereby appointed and any earlier appointment of (an) agent(s)/common representative is hereby revoked.☐ is hereby appointed, specifically for the procedure before the International Preliminary Examining Authority, in addition to the agent(s)/common representative appointed earlier.Name and address: *(Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.)*Sheena Jacob; Keith Callinan; Alban Kang  
Alban Tay Mahtani & De Silva  
39 Robinson Road  
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Singapore 068911

Telephone No.

65 6428 9845

Facsimile No.

65 6223 8762

Teleprinter No.

Agent's registration No. with the Office

☐ Address for correspondence: Mark this check-box where no agent or common representative is/has been appointed and the space above is used instead to indicate a special address to which correspondence should be sent.**Box No. IV BASIS FOR INTERNATIONAL PRELIMINARY EXAMINATION****Statement concerning amendments:\***

1. The applicant wishes the international preliminary examination to start on the basis of:

☒ the international application as originally filedthe description ☒ as originally filed☐ as amended under Article 34the claims ☒ as originally filed☐ as amended under Article 19 (together with any accompanying statement)☐ as amended under Article 34the drawings ☒ as originally filed☐ as amended under Article 342. ☐ The applicant wishes any amendment to the claims under Article 19 to be considered as reversed.3. ☐ The applicant wishes the start of the international preliminary examination to be postponed until the expiration of 20 months from the priority date unless the International Preliminary Examining Authority receives a copy of any amendments made under Article 19 or a notice from the applicant that he does not wish to make such amendments (Rule 69.1(d)). *(This check-box may be marked only where the time limit under Article 19 has not yet expired.)*

\* Where no check-box is marked, international preliminary examination will start on the basis of the international application as originally filed or, where a copy of amendments to the claims under Article 19 and/or amendments of the international application under Article 34 are received by the International Preliminary Examining Authority before it has begun to draw up a written opinion or the international preliminary examination report, as so amended.

Language for the purposes of international preliminary examination: ENGLISH☒ which is the language in which the international application was filed.☐ which is the language of a translation furnished for the purposes of international search.☐ which is the language of publication of the international application.☐ which is the language of the translation (to be) furnished for the purposes of international preliminary examination.**Box No. V ELECTION OF STATES**The applicant hereby elects all eligible States *(that is, all States which have been designated and which are bound by Chapter II of the PCT)*

excluding the following States which the applicant wishes not to elect:

**Box No. VI CHECK LIST**

The demand is accompanied by the following elements, in the language referred to in Box No. IV, for the purposes of international preliminary examination:

- |  |   |       |        |
|--|---|-------|--------|
| 1. translation of international application                              | : | _____ | sheets |
| 2. amendments under Article 34   | : | 1     | sheets |
| 3. copy (or, where required, translation) of amendments under Article 19 | : | _____ | sheets |
| 4. copy (or, where required, translation) of statement under Article 19  | : | _____ | sheets |
| 5. letter  | : | 2     | sheets |
| 6. other (specify)   | : | _____ | sheets |

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received	not received
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>

The demand is also accompanied by the item(s) marked below:

- |  |   |
|--|---|
| 1. <input checked="" type="checkbox"/> fee calculation sheet                             | 5. <input type="checkbox"/> statement explaining lack of signature                        |
| 2. <input type="checkbox"/> original separate power of attorney                          | 6. <input type="checkbox"/> sequence listings in computer readable form                   |
| 3. <input type="checkbox"/> original general power of attorney                           | 7. <input type="checkbox"/> tables in computer readable form related to sequence listings |
| 4. <input type="checkbox"/> copy of general power of attorney; reference number, if any: | 8. <input type="checkbox"/> other (specify):  |

**Box No. VII SIGNATURE OF APPLICANT, AGENT OR COMMON REPRESENTATIVE**

Next to each signature, indicate the name of the person signing and the capacity in which the person signs (if such capacity is not obvious from reading the demand).

  
Sheena Jacob  
Patent Agent

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1. Date of actual receipt of DEMAND:

2. Adjusted date of receipt of demand due to CORRECTIONS under Rule 60.1(b):

3. ☐ The date of receipt of the demand is AFTER the expiration of 19 months from the priority date and item 4 or 5, below, does not apply.

☐ The applicant has been informed accordingly.

4. ☐ The date of receipt of the demand is WITHIN the period of 19 months from the priority date as extended by virtue of Rule 80.5.

5. ☐ Although the date of receipt of the demand is after the expiration of 19 months from the priority date, the delay in arrival is EXCUSED pursuant to Rule 82.

For International Bureau use only

Demand received from IPEA on:

## PCT

## FEE CALCULATION SHEET

## Annex to the Demand

International application No. <b>PCT/SG2004/00068</b>	For International Preliminary Examining Authority use only
Applicant's or agent's file reference <b>20400446KC</b>	Date stamp of the IPEA
Applicant <b>CHUA BENG SAN AND WONG LAI WAN</b>	
<b>CALCULATION OF PRESCRIBED FEES</b>	
1. Preliminary examination fee .....	<b>AU\$550.00</b> <span style="border: 1px solid black; padding: 0 5px;">P</span>
2. Handling fee ( <i>Applicants from certain States are entitled to a reduction of 75% of the handling fee. Where the applicant is (or all applicants are) so entitled, the amount to be entered at H is 25% of the handling fee.</i> ) .....	<b>AU\$218.00</b> <span style="border: 1px solid black; padding: 0 5px;">H</span>
3. Total of prescribed fees Add the amounts entered at P and H and enter total in the TOTAL box .....	<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;"> <b>AU\$768.00</b> </div> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;"> <b>TOTAL</b> </div>
<b>MODE OF PAYMENT</b>	
<input type="checkbox"/> authorization to charge deposit account with the IPEA (see below)	<input type="checkbox"/> cash
<input type="checkbox"/> cheque	<input type="checkbox"/> revenue stamps
<input type="checkbox"/> postal money order	<input type="checkbox"/> coupons
<input checked="" type="checkbox"/> bank draft	<input type="checkbox"/> other (specify):
<b>AUTHORIZATION TO CHARGE (OR CREDIT) DEPOSIT ACCOUNT</b> <i>(This mode of payment may not be available at all IPEAs)</i>	
<input type="checkbox"/> Authorization to charge the total fees indicated above.	IPEA/ _____
<input type="checkbox"/> <i>(This check-box may be marked only if the conditions for deposit accounts of the IPEA so permit)</i> Authorization to charge any deficiency or credit any overpayment in the total fees indicated above.	Deposit Account No.: _____
	Date: _____
	Name: _____
	Signature: _____

